7

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Iolly A. Wolfe April 19 2

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Mount et al.

Group Art Unit: Not Assigned

Serial No.: 09/835,976

Examiner: Not Assigned

Filed: April 16, 2001

Docket No.: 1242/26/2

7/B

Confirmation No.: 3961

For: PURIFIED AND ISOLATED POTASSIUM-CHLORIDE COTRANSPORTER

NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC AND

SCREENING METHODS USING SAME

STATEMENT THAT SEQUENCE LISTING AND COMPUTER READABLE COPY ARE THE SAME

Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. § 1.821(f), applicants hereby state that the Sequence Listing information recorded in computer readable form is identical to the written Sequence Listing on paper.

Although that it is believed that no fee is due, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment associated with the filing of this correspondence to Deposit Account Number <u>50-0426</u>.

Respectfully submitted,

JENKINS & WILSON, P.A.

Date: 04/19/2002

р.,

Arles A. Taylor, Jr. Registration No. 39,395

Suite 1400 University Tower 3100 Tower Boulevard Durham, North Carolina 27707 Telephone: (919) 493-8000 Facsimile: (919) 419-0383

Customer No. Bar Code Label:

1242/26/2 AAT/JB/haw

PATENT TRADEMARK OFFIC



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Date of Signature

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Mount et al.

Group Art Unit: Not Assigned

Serial No.: 09/835,976

Examiner: Not Assigned

Filed: April 16, 2001

Docket No.: 1242/26/2

Confirmation No.: 3961

For: PURIFIED

POTASSIUM-CHLORIDE AND **ISOLATED** COTRANSPORTER NUCLEIC ACIDS AND POLYPEPTIDES AND

THERAPEUTIC AND SCREENING METHODS USING SAME

RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR SEQUENCE DISCLOSURES

U.S. Patent and Trademark Office **BOX SEQUENCE** P.O. Box 2327 Arlington, VA 22202

Sir:

This is responsive to the Notice to Comply dated March 12, 2002, having a 2-month term that expires on June 3, 2002. Favorable reconsideration is respectfully requested in view of the following Remarks and substitute Sequence Listing submitted under 37 C.F.R. § 1.821-1.825.

REMARKS

Status Summary

A substitute Sequence Listing is enclosed herewith as a computerreadable formatted (CRF) disk. The contents of the CRF of the Sequence Listing are identical to the contents of the paper copy of the Sequence Listing enclosed herewith. A statement to the effect is also enclosed. No new matter has been added. Thus, applicants believe this Response places the subject application into compliance with the requirements of 37 C.F.R. § 1.821-1.825. Applicants respectfully request that the substitute CRF Sequence Listing and paper Sequence Listing be entered into the subject application.

DEPOSIT ACCOUNT

Although it is believed that no fee is due, the Commissioner is hereby authorized to charge any deficiencies of payment associated with the filing of this correspondence to Deposit Account No. 50-0426.

Respectfully submitted,

JENKINS & WILSON, P.A.

By:

Arles A. Taylor, Jr. Registration No. 39,395

Suite 1400 University Tower 3100 Tower Boulevard Durham, North Carolina 27707 Telephone: (919) 493-8000

Facsimile: (919) 419-0383

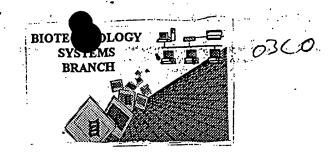
1242/26/2 AAT/JB/haw

Enclosures:

Copy of the Notice to Comply CRF Sequence Listing (diskette) Paper Copy of Sequence Listing Statement that CRF and paper Sequence Listing are identical Transmittal letter Postcard



RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09/835.976/A
Source:	Olf.
Date Processed by STIC:	3/13/2002
Duit I loods of a	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- Hand Carry directly to:
 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: <u>09/835,97</u>6

ATTN:	NEW RULES CASES. PI	LEASE DISREGARD ENGLISH ALFRA TILADERS, WHICH WERE INSERTED BY FTO SOFTWARE
1	Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line.
		This may occur if your file was retrieved in a word processor after creating it.
		Please adjust your right margin to .3, as this will prevent "wrapping".
•		
2	Wrapped Aminos	The amino acid number/text at the end of each line "wrapped" down to the next line.
	•	This may occur if your file was retrieved in a word processor after creating it.
		Please adjust your right margin to .3, as this will prevent "wrapping".
3	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.
4	Misaligned Amino Acid	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
	Numbering	between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
5	Non ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules
°—	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
		,
6	Variable Length	Sequence(s) contain n's or Xaa's which represented more than one residue.
		As per the rules, each n or Xaa can only represent a single residue.
		Please present the maximum number of each residue having variable length and
		indicate in the (ix) feature section that some may be missing.
7	PatentIn ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
· ——		sequence(s) Normally, PatentIn would automatically generate this section from the
		previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
		to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<220>
		·
		sections for Artificial or Unknown sequences.
8	Skipped Sequences	Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
	(OLD RULES)	(2) INFORMATION FOR SEQ ID NO:X:
		(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
		(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
		This sequence is intentionally skipped
		Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
9	Skipped Sequences	Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
	(NEW RULES)	<210> sequence id number
		<400> sequence id number
/		000
، ل	Use of n's or Xaa's	Lies of a's and/or Vee's have been detected in the Sequence Lieting
<u> </u>		Use of n's and/or Xaa's have been detected in the Sequence Listing.
	(NEW RULES)	Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
		III - 220 to - 220 Section, please explain location of it of Add, and which residue it of Add represents.
1	Use of "Artificial"	Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules.
	(NEW RULES)	Valid response is Artificial Sequence
_		O CONTRACTOR OF THE CONTRACTOR
2	Use of <220>Feature	Sequence(s) are missing the <220>Feature and associated headings.
	(NEW RULES)	Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"
		Please explain source of genetic material in <220> to <223> section.
		(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
3	Patentin vor 20 "bug"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted
·	PatentIn ver. 2.0 "bug"	
		file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
•		Instead, please use "File Manager" or any other means to copy file to floppy disk.

AMC - Biotechnology Systems Branch - 4/06/2001





OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/835,976A

DATE: 03/13/2002

TIME: 11:47:11

Input Set : A:\EP.txt

Output Set: N:\CRF3\03132002\1835976A.raw

Does Not Comply Corrected Diskette Needed

3 <110> APPLICANT: Mount, David B. Delpire, Eric Gamba, Gerardo Alfred L. George, Jr. 8 <120> TITLE OF INVENTION: PURIFIED AND ISOLATED POTASSIUM-CHLORIDE COTRANSPORTER NUCLEIC ACIDS AND g POLYPEPTIDES AND 10 THERAPEUTIC AND SCREENING METHODS USING SAME 12 <130> FILE REFERENCE: Attorney Docket No. 1242-26-2 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/835,976A C--> 15 <141> CURRENT FILING DATE: 2001-04-16 17 <160> NUMBER OF SEQ ID NOS: 131 19 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

4075 <210> SEQ ID NO: 14 4076 <211> LENGTH: 1083 4077 <212> TYPE: PRT 4078 <213> ORGANISM: mouse 4080 <220> FEATURE: 4081 <221> NAME/KEY: misc_feature 4082 <222> LOCATION: (71) 4083 <223> OTHER INFORMATION: Xaa=Leu or Ile 4085 <220> FEATURE: 4086 <221> NAME/KEY: misc_feature

pr 1-4 what about Xaa at location 155? (p.2) what about Xaa at

4087 <222> LOCATION: (467)

4088 <223> OTHER INFORMATION: Xaa=Leu or Ile

4090 <220> FEATURE:

4091 <221> NAME/KEY: misc_feature

4092 <222> LOCATION: (639)

4093 <223> OTHER INFORMATION: Xaa=Leu or Ile

4095 <400> SEQUENCE: 14

4096 Met Pro Thr Asn Phe Thr Val Val Pro Val Glu Ala Arg Ala Asp Gly

10

4099 Ala Gly Asp Glu Ala Ala Glu Arg Thr Glu Glu Pro Glu Ser Pro Glu

4102 Ser Val Asp Gln Thr Ser Pro Thr Pro Gly Asp Gly Asn Pro Arg Glu

4105 Asn Ser Pro Phe Ile Asn Asn Val Glu Val Glu Arg Glu Ser Tyr Phe $(\rho, 4)$

55/

4108 Glu Gly Lys Asn Met Ala Xaa Phe Glu Glu Glu Met Asp Ser Asn Pro

4109 65 70

location 586? (p.3) Xaa at Location 1023?





DATE: 03/13/2002

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/835,976A

7835,976A TIME: 11:47:12

Input Set : A:\EP.txt

Output Set: N:\CRF3\03132002\1835976A.raw

	4111 4112	Met	Val	Ser	Ser	Leu 85	Leu	Asn	Lys	Leu	Ala 90	Asn	Tyr	Thr	Asn	Leu 95	Ser
	4114 4115	Gln	Gly	Val	Val		His	Glu	Glu	Asp 105	Glu	Asp	Ser	Arg	Arg 110	Arg	Glu
	4117 4118	Val	Lys	Ala 115	Pro	Arg	Met	Gly	Thr 120	Phe	Ile	Gly	Val	Tyr 125	Leu	Pro	Cys
	4120 4121		130				_	135				(3	140				
W>	4123 4124		Gly	Ala	Ala	Gly	Val 150	Met	Glu	Ser	Phe	Xaa 155	Ile	Val	Ala	Met	Cys 160
	4126 4127	Cys	Thr	Cys	Thr	Met 165	Leu	Thr	Ala	Ile	Ser 170	Met	Ser	Ala	Ile	Ala 175	Thr
	4129 4130	Asn	Gly	Val	Val 180	Pro	Ala	Gly	Gly	Ser 185	Tyr	Tyr	Met	Ile	Ser 190	Arg	Ser
	4132 4133	Leu	Gly	Pro 195	Glu	Phe	Gly	Gly	Ala 200	Val	Gly	Leu	Cys	Phe 205	Tyr	Leu	Gly
	4135 4136	Thr	Thr 210	Phe	Ala	Gly	Ala	Met 215	Tyr	Ile	Leu	Gly	Thr 220	Ile	Glu	Ile	Phe
	4138 4139		Thr	Tyr	Ile	Ser	Pro 230	Ser	Ala	Ala	Ile	Phe 235	Gln	Ala	Glu	Thr	Ala 240
	4141 4142	_	_			245					250					255	
	4144 4145	_			260					265					270		
	4147 4148			275					280					285			
	4150 4151		290		_		_	295					300		•		
	4153 4154	305			_		310					315	-				320
	4156 4157					325					330					335	
	4159 4160			_	340			_		345					350		
٠	4162 4163			355					360					365			
	4165 4166	_	370					375					380				
	4168 4169	385	-				390		_	-	_	395					400
	4171 4172					405					410					415	
	4174 4175				420					425					430		
	4177 4178	-		435					440					445			
5	4180 4181 4183	_	450	_				455					460				
	4 7 0 3	116	- 1 -	Auu	JUL	CIB		· uı	L Cu	LHE	3±1		775			~-1	



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/835,976A

DATE: 03/13/2002 TIME: 11:47:12

Input Set : A:\EP.txt

Output Set: N:\CRF3\03132002\1835976A.raw

	4184	165					470					475					480
	4186		Tou	λ×α	N c n	Luc		Clv	Glu	Δla	T.011		Glv	Asn	Len	Val	
	4187	Val	цец	AIG	изъ	485	rnc	OLY	Olu		490	01	011			495	
	4189	C111	Mot	Lou	בוג		Dro	Sar	Dro	Trn		Tle	Val	Tle	Glv		Phe
		GTA	Mec	Leu	500	115	FIO	Ser	110	505	VUI	110	, , ,	110	510	002	
	4190 4192	nha	C 0 m	mh »		C111	λla	C1++	Lou		Sor	Τ.Δ11	Thr	Glv		Pro	Ara
		Pne	ser		Cys	GTÄ	Ата	СТУ	520	GIII	361	ьеи	1111	525	AIU	110	u÷a
	4193	•	T	515	3 1 a	T1.	x 1 -	N ~~~		C1	Tlo	Tlo	Dro		Lau	Gln	Val
	4195	Leu		GIII	Ala	TTE	Ата		ASP	GIY	TTE	116	540	FIIC	пец	9111	vul
	4196	_,	530		01	T		535	~1	61.	Dwo	mh.∽		λla	LOU	Lon	LOU
	4198		GIY	HIS	GIĀ	гаг		ASII	GTÀ	GIU	PIO	555	пр	нта	nea	цęц	560
	4199			.	-1-	Q	550	mh	~1	Tla	T 0.11		71 ~	Cor	Lou	λcn	
	4201	Thr	Ala	Leu	11e		GIU	THI	GTÀ	TTE		116	нта	ser	ьeu	575	361
	4202			_		565	a		Dh.	nt -	575	7	7	Merse	Wat		บรา
M>		Val	Ala	Pro		Leu	ser	met	Pne		(Xaa	nec	Cys	TYL	590	rne	Val
	4205		_		580	. 1 -	17- 1	01	m b	585	Tan	λ~~ ~	mhr	Dro		m rr	λνα
	4207	Asn	Leu		Cys	Ата	var	GIN		Leu	Leu	Arg	1111	605	ASII	пр	AIG
	4208	_	_	595		5 1		*** -	600	m h	T	000	Dho		C111	Wot	cor
,	4210	Pro		Pne	ьys	Pne	Tyr		тгр	THE	Leu	ser		Leu	GIY	mec	ser
OV.	4211	_	610	_		_		615	-1-	G	a	m	620	M	71-	vaá	Dho
M->	4213		Cys	Leu	ALa	Leu		Pne	тте	Cys	ser	635	туг	TYL	Ата	лаа	640
	4214			_	_,		630	0	T1.	m	T		т1.	c1	m	7 ~~	
	4216	Ala	Met	Leu	iie		GIA	cys	тте	туг	ьуs 650	TAT	116	GIU	ıyı	655	GLY
	4217				a 1	645	01		a 1	T1.		C1	Ton	Cor	T 011		λla
	4219	Ala	GIU	гÀг		Trp	GIY	ASP	GTÀ	665	Arg	GIY	ьeu	Ser	670	ASII	AIG
	4220		•		660	*	T	3	170.1		Ti a	C1.	Dro	Dro		Thr	Lve
	4222	Ата	Arg		Ата	ьeu	Leu	Arg	680	GIU	nıs	GIŽ	110	685	птэ	1111	цуэ
	4223 4225		m	675	Dwa	C1 n	Wa 1	Lou		Wot	Lou	λcn	LOU		Sar	Glu	Gln
		ASII	690	Arg	PIO	GIII	Val	695	Val	Mec	Leu	ASII	700	тэр	Der	GIU	01
	4226 4228	0		T	ni a	Dwo	7 × α		Tou	Cor	Dho	Ψh.r-		Gln	T.eu	T.vs	Δla
	4220	_	val	гуу	птэ	PIO	710	Leu	neu	Ser	rne	715	JCI	0111	пси	2,0	720
	4229		Tvc	Clyr	Lou	Thr		Va l	Glv	Sar	Val		Glu	Glv	Thr	Tvr	
	4231	GLY	пур	GIY	Deu	725	116	vul	OLY	JCx	730	<u> </u>	014	Q L 1		735	
	4234	λcn	Lve	Wic	Val		Δla	Gln	Arα	Δla		Glu	Asn	Tle	Ara		Leu
	4234	nsp	цуз	1113	740	OLU.	niu	0111	9	745	O L u	014			750		
	4237	Met	Ser	Δla		Lvs	Thr	Lvs	Glv		Cvs	Gln	Leu	Val		Ser	Ser
	4238	MCC	JCI	755	014	2,5			760		010			765			
	4240	Δsn	T.eu		Asp	Glv	Ala	Ser		Leu	Tle	Gln	Ser	Ala	Glv	Leu	Gly
	4241	11011	770	•••		0-1		775					780		•		-
	4243	Glv		Lvs	His	Asn	Thr		Leu	Met	Ala	Trp		Glu	Ala	Trp	Lys
	4244	_		-1-			790					795				_	800
	4246		Ala	Asp	Asn	Pro		Ser	Trp	Lvs	Asn	Phe	Val	Asp	Thr	Val	Arg
	4247					805				- 4	810			-		815	_
	4249	Asp	Thr	Thr	Ala		His	Gln	Ala	Leu	Leu	Val	Ala	Lys	Asn	Ile	Asp
	4250	E			820					825				•	830		
	4252	Leu	Phe	Pro		Asn	Gln	Glu	Arg		Ser	Asp	Gly	Asn	Ile	Asp	Val
	4253			835					840			-	-	845			
	4255	Trp	Trp		Val	His	Asp	Gly	Gly	Met	Leu	Met	Leu	Leu	${\tt Pro}$	Phe	Leu
	4256	•	850				-	855	-				860				



Use of n and/or Kaa has been detected in the Sentence Halfag-Review the Conjugate Listing to instite a corresponding explain a presented in the <220> to <223> fields of 9ach sequence using n or Xaa.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/835,976A

DATE: 03/13/2002

TIME: 11:47:12

Input Set : A:\EP.txt

Output Set: N:\CRF3\03132002\I835976A.raw

4258 Leu Arg Gln His Lys Val Trp Arg Lys Cys Arg Met Arg Ile Phe Thr 4261 Val Ala Gln Val Asp Asp Asn Ser Ile Gln Met Lys Lys Asp Leu Gln 4264 Met Phe Leu Tyr His Leu Arg Ile Ser Ala Glu Val Glu Val Glu 905 4267 Met Val Glu Asn Asp Ile Ser Ala Phe Thr Tyr Glu Lys Thr Leu Met 4270 Met Glu Gln Arg Ser Gln Met Leu Lys Gln Met Gln Leu Ser Lys Asn 4273 Glu Arg Glu Arg Glu Ala Gln Leu Ile His Asp Arg Asn Thr Ala Ser 950 955 4276 His Thr Thr Ala Thr Ala Arg Thr Gln Ala Pro Pro Thr Pro Asp Lys 4279 Val Gln Met Thr Trp Thr Lys Glu Lys Leu Ile Ala Glu Lys His Arg 4282 Asn Lys Asp Thr Gly Pro Ser Gly Phe Lys Asp Leu Phe Ser Leu Lys 1000 W--> 4285 Pro Asp Gln Ser Asn Val Arg Arg Met His Thr Ala Val Lys(Xaa)Asn 4288 Gly Val Val Leu Asn Lys Ser Gln Asp Ala Gln Leu Val Leu Leu Asn 41030 *ڪ* 41035 4291 Met Pro Gly Pro Pro Lys Ser Arg Gln Gly Asp Glu Asn Tyr Met Glu 1050 1045 4294 Phe Leu Glu Val Leu Thr Glu Gly Leu Asn Arg Val Leu Leu Val Arg 1065 1060 4297 Gly Gly Gly Arg Glu Val Ile Thr Ile Tyr Ser 4298 1075

2) When numbering the last amino acid on a line, please end ...

The number directly below the last letter of the amino acid

Leuis i Ash





VERIFICATION SUMMARY DATE: 03/13/2002 PATENT APPLICATION: US/09/835,976A TIME: 11:47:13

Input Set : A:\EP.txt

Output Set: N:\CRF3\03132002\I835976A.raw

```
L:14 M:270 C: Current Application Number differs, Replaced Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 .
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L\!:\!304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:910 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:1240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:1371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:1372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:1491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:1492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:1630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:1729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:1819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:1858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:1859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:1926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:1927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:2062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:2063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:2510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:2982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:3063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:3143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:3144 \text{ M}:341 \text{ W}: (46) \text{ "n" or "Xaa" used, for SEQ ID#:11}
L:3203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:3204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
```





DATE: 03/13/2002

TIME: 11:47:13

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/835,976A

Input Set : A:\EP.txt

Output Set: N:\CRF3\03132002\1835976A.raw

L:3343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 L:3344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 L:3524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 L:3569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12

L:4289 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:14

M:332 Repeated in SeqNo=14

L:6706 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:111 L:6834 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:112 L:7185 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:131